

ABSTRACT

The invention concerns a system wherein the spatial values (S_1 to S_n) of the physical quantity are represented by measurement pulses (I_1 to I_n) whereof the temporal ordering represents said values. The system comprises a plurality of processing units (U_1 to U_n) for processing said measurement pulses. They are arranged in at least one row and include each an output (SOR_1 to SOR_n) whereon, during successive processing cycles, a measurement pulse processed therein can be delivered to form the output signal (SU) of the system. The invention is characterized in that each processing unit (U_1 to U_n) comprises inhibiting means (BI) for, in other units of the row and during a given processing cycle, inhibiting the passage to the outputs (SOR_1 to SOR_n) of said other units respective measurement pulses processed therein and hence preventing them from forming the output signal (SU), if said measurement impulses are temporally ordered later in the given processing cycle than the one processed in the unit concerned.